

UBS Investment Research

US Electric Utilities & IPPs

Americas

Electric Utilities

Sector Comment

Finalizing the HAP MACT Rules

HAP MACT rules from EPA this afternoon are inline with expectations

EPA's finalized HAP MACT or MATS rules released this afternoon were inline with our expectations, largely leaving intact most of the impact of HAP MACT regulations. Tweaks to the final rule will slightly mitigate total capex; all in, proposed changes do not shift our retirement thesis. Notably, EPA backed away from a total particulate matter (PM) std. (incl. condensable particulates), opting for a filterable target (mitigating baghouse needs for some units). Other reforms provided for latitude around unit startup, and greater flexibility around facility-wide averaging of emissions (for sites w/ multiple units). The final rules also incorporate the 1.2lb/TBtu target for mercury (shy of the 1.4lb/Tbtu target the industry has strenuously pursued), previously updated by EPA from the proposal.

EPA expects latitude for 3+1 compliance; limited opportunity for 5-yrs.

EPA articulated it expects many units to receive an additional year from state-level EPA authorities (on top of statutory 3-yr compliance period through March 2015), and recommends that these authorities approve requests under a broad definition, including units needed by RTOs for local transmission constraints, repowering projects (i.e. to gas), or unable to install emission control technology in time. However, for further extensions (beyond 4 yrs), EPA loosely states it will exercise its enforcement action authority to allow for a total of 5 yrs, with few exceptions for further time. EPA notes its Office of Enforcement and Compliance intends to separately publish a document that articulates its intended approach for units needing add'l time; we anticipate FE, among others, will pursue this extra time.

New Source Performance std's will limit any new coal plant development

It appears the new source performance std's (NSPS) proposed by the EPA for new build remain substantially challenging, requiring mercury reduction to .02lb/TBtu (vs. 1.2lb/TBtu standard adopted for all units under the HAP proposal). We understand while technically feasible, procuring construction guarantees at this emission rate would prove substantially challenging. We anticipate very limited new coal capacity construction while these rules remain in place.

We reiterate our expectation for substantial litigation

We expect substantial litigation of the final rules to begin in 1Q12 following formal rule publication. We expect technical points around rule achievability (New Source std's), calculations made to derive to targets (mercury), and use of surrogates (use of HCl/PM as targets) will all likely receive substantial scrutiny.

Bottom line: PJM retirement thesis intact; 30-40GW total retirements

We maintain our belief the rules will result in the retirement of ~15GW of coal capacity in PJM, with a total US range of 30-40GW. Many CAPP/NAPP plants will require substantial capex (i.e. scrubbers, etc) to comply, and with only modest increased flexibility, the bulk of these units will still opt to retire. We maintain our Buy rating on EXC, noting the relative upside to power prices (relative to capacity) as a result of the HAP MACT/CSAPR rules. With rules finalized, we look for some accelerated plant retirements, likely by end of '13 due to lower gas/power.

21 December 2011

www.ubs.com/investmentresearch**Julien Dumoulin-Smith**

Analyst
julien.dumoulin-smith@ubs.com
+1-212-713 9848

Jim von Rieseemann

Analyst
jim.vonriesemann@ubs.com
+1-212-713-4260

Megan Cyr

Associate Analyst
megan.cyr@ubs.com
+1-212-713 2706

Summary Comparison Table

Finalized targets under EPA's Hazardous Air Pollutant (HAP) Maximum Achievable Control Technology (MACT) rules, otherwise referred to as the Mercury and Air Toxics Rule (MATS), are largely unchanged from their draft standards proposed in March. We note the shift in the mercury target to 1.2lb/Tbtu is the result of a technical correction EPA admitted back in May. The rules continue to allow plants to achieve the HCl (Chlorine) target through SO₂ as a surrogate (at a 0.2lb SO₂/MMBtu emission rate). We also note final rules slightly redefine sub-categorization, however, continue to provide weaker standards for lignite; it is our understanding under these new definitions that units blending lignite with PRB (i.e. EFH's coal units in Texas) will be allowed to continue to meet the weaker standards.

Table 1: Final and Proposed HAP MACT / MATS standards

MACT Standards		Non-Hg Metals			Acid Gases			Mercury (Hg)		
Prior Subcategories	Revised Subcategories	Proposed	Final	Change	Proposed	Final	Change	Proposed	Final	Change
<i>Surrogate Used</i>		PM (lb/MMBtu)			HCl (lb/MMBtu)			Hg (lb/Tbtu)		
Coal (>8,300btu/lb)- Most Coals	"Not low rank virgin coal"	0.03	0.03	-	0.002	0.002	-	1	1.2	20%
Coal (<8,300btu/lb)- Lignite	"low rank virgin coal"	0.03	0.03	-	0.002	0.002	-	4	4	-
IGCC	IGCC	0.05	0.04	(20%)	0.0005	0.0005	-	3	2.5	(17%)
Solid oil-derived (Petcoke)	Solid oil-derived	0.2	0.008	(96%)	0.005	0.005	-	0.2	0.2	-
	Liquid oil- continental	na	0.03		na	0.002				
	Liquid oil- non-continental	na	0.003		na	0.0002				
Liquid oil		0.00003	na		0.0003	na				

Source: Company reports and UBS estimates

New Source Performance Standards

Table 2: Final and Proposed NSPS standards

MACT Standards	Coal- Not Low Rank			Coal- Designed Low Rank (i.e. Lignite)		
	Proposed	Final	Change	Proposed	Final	Change
PM (lb/MWh)	0.05	0.007	(86%)	0.05	0.007	(86%)
Non-Hg HAP Metals (lb/MWh)	0.00004	0.06	149,900%	0.00004	0.06	149,900%
HAP Metals (lb/GWh)						
Antimony (Sb)	0.00008	0.008	9,900%	0.00008	0.008	9,900%
Arsenic (As)	0.0002	0.003	1,400%	0.0002	0.003	1,400%
Beryllium (Be)	0.00003	0.0006	1,900%	0.00003	0.0006	1,900%
Cadmium (Cd)	0.0004	0.0004	-	0.0004	0.0004	-
Chromium (Cr)	0.06	0.007	(88%)	0.06	0.007	(88%)
Cobalt (Co)	0.0008	0.002	150%	0.0008	0.002	150%
Lead (Pb)	0.0009	0.002	122%	0.0009	0.002	122%
Manganese (Mn)	0.004	0.004	-	0.004	0.004	-
Nickel (Ni)	0.004	0.04	900%	0.004	0.04	900%
Selenium (Se)	0.03	0.006	(80%)	0.03	0.006	(80%)
HCl (lb/GWh)	0.3	0.0004	(100%)	0.3	0.0004	(100%)
SO ₂ (lb/MWh)	0.4	0.4	-	0.4	0.4	-
Hg (lb/GWh)	0.00001	0.0002	1,900%	0.04	0.04	-

Source: Company reports and UBS estimates; *Note: assuming a 10 heat rate coal, a .4lb/MWh standard converts to 0.04lb/MMBtu for comparison

Key Changes in Final HAP MACT Rules:

- (1) **Filterable PM-** the proposed PM compliance limits did not change; however, the EPA specifies that the limit will only apply to filterable PM (vs. total which includes condensables). This is consistent with other toxics rules which include only a filterable criterion. *We see this as the most decisive improvement from the draft rules.*
- (2) **Start-up and shut-down-** instead of setting emissions limits for periods of start-up and shut-down, units now must burn clean fuels during these times as part of an effort to reduce emissions during all periods. These adjustments would suggest to us some increased latitude, with EPA allowing dry scrubbers and SCRs to only operate during normal conditions (and not startup/shutdown).
- (3) **Subcategories for coal units-** EPA now specifies that the category of coal units previously defined as designed for coal <8,300 Btu/lb also includes that the unit is designed to burn and is burning virgin coal and is located near the virgin coal mine. The second category includes units designed for coal $\geq 8,300$, meaning all other coal units not in the previous category. We believe this does not have a significant impact on unit compliance.
- (4) **Subcategories for oil units-** EPA now divides liquid oil units into continental and non-continental subcategories. Since non-continental units run infrequently, they would need to run just to meet monitoring requirements; the final rules include a subcategory for these units, allowing them to meet standards just by following work practice standards.
- (5) **Compliance testing-** in order to prove that a unit is in compliance, the final rule includes two options: continuous monitoring or periodic quarterly testing and does not include fuel analysis requirements. It now also specifies that testing only applies to the limit they choose to meet.
- (6) **Averaging period-** for Mercury (Hg) only, facilities have the option to use a 90 day averaging period and meet the 1 lb/TBtu limit which will provide a more smoothed out average compared to the draft 30 day period. EPA believes these options provide equivalent reductions in Mercury emissions.
- (7) **New source standards-** EPA also revised the standards for new units which it believes to be more comparable to a newly constructed plant outfitted with a full suite of modern controls. Changes include an increase of for all unit categories' Mercury (Hg) and HCl (Chlorine) limits as well as IGCC PM limits and a decline in PM limits for coal and solid oil units.

■ Statement of Risk

Risks for Utilities and Independent Power Producers (IPPs) primarily relate to volatile commodity prices for power, natural gas, and coal. Risks to IPPs also stem from load variability, and operational risk in running these facilities. Rising coal and, to a certain extent, uranium prices could pressure margins as the fuel hedges roll off Competitive Integrations. Further, IPPs face declining revenues as in the money power and gas hedges roll off. Other non-regulated risks include weather and for some, foreign currency risk, which again must be diligently accounted in the company's risk management operations. Major external factors, which affect our valuation, are environmental risks. Environmental capex could escalate if stricter emission standards are implemented. We believe a nuclear accident or a change in the Nuclear Regulatory Commission/Environment Protection Agency regulations could have a negative impact on our estimates.

Risks for regulated utilities include the uncertainty around the composition of state regulatory Commissions, adverse regulatory changes, unfavorable weather conditions, variance from normal population growth, and changes in customer mix. Changes in macroeconomic factors will affect customer additions/subtractions and usage patterns

■ Analyst Certification

Each research analyst primarily responsible for the content of this research report, in whole or in part, certifies that with respect to each security or issuer that the analyst covered in this report: (1) all of the views expressed accurately reflect his or her personal views about those securities or issuers and were prepared in an independent manner, including with respect to UBS, and (2) no part of his or her compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by that research analyst in the research report.

Required Disclosures

This report has been prepared by UBS Securities LLC, an affiliate of UBS AG. UBS AG, its subsidiaries, branches and affiliates are referred to herein as UBS.

For information on the ways in which UBS manages conflicts and maintains independence of its research product; historical performance information; and certain additional disclosures concerning UBS research recommendations, please visit www.ubs.com/disclosures. The figures contained in performance charts refer to the past; past performance is not a reliable indicator of future results. Additional information will be made available upon request. UBS Securities Co. Limited is licensed to conduct securities investment consultancy businesses by the China Securities Regulatory Commission.

UBS Investment Research: Global Equity Rating Allocations

UBS 12-Month Rating	Rating Category	Coverage ¹	IB Services ²
Buy	Buy	59%	35%
Neutral	Hold/Neutral	35%	33%
Sell	Sell	6%	14%
UBS Short-Term Rating	Rating Category	Coverage ³	IB Services ⁴
Buy	Buy	less than 1%	0%
Sell	Sell	less than 1%	20%

1:Percentage of companies under coverage globally within the 12-month rating category.

2:Percentage of companies within the 12-month rating category for which investment banking (IB) services were provided within the past 12 months.

3:Percentage of companies under coverage globally within the Short-Term rating category.

4:Percentage of companies within the Short-Term rating category for which investment banking (IB) services were provided within the past 12 months.

Source: UBS. Rating allocations are as of 30 September 2011.

UBS Investment Research: Global Equity Rating Definitions

UBS 12-Month Rating	Definition
Buy	FSR is > 6% above the MRA.
Neutral	FSR is between -6% and 6% of the MRA.
Sell	FSR is > 6% below the MRA.
UBS Short-Term Rating	Definition
Buy	Buy: Stock price expected to rise within three months from the time the rating was assigned because of a specific catalyst or event.
Sell	Sell: Stock price expected to fall within three months from the time the rating was assigned because of a specific catalyst or event.

KEY DEFINITIONS

Forecast Stock Return (FSR) is defined as expected percentage price appreciation plus gross dividend yield over the next 12 months.

Market Return Assumption (MRA) is defined as the one-year local market interest rate plus 5% (a proxy for, and not a forecast of, the equity risk premium).

Under Review (UR) Stocks may be flagged as UR by the analyst, indicating that the stock's price target and/or rating are subject to possible change in the near term, usually in response to an event that may affect the investment case or valuation.

Short-Term Ratings reflect the expected near-term (up to three months) performance of the stock and do not reflect any change in the fundamental view or investment case.

Equity Price Targets have an investment horizon of 12 months.

EXCEPTIONS AND SPECIAL CASES

UK and European Investment Fund ratings and definitions are: Buy: Positive on factors such as structure, management, performance record, discount; Neutral: Neutral on factors such as structure, management, performance record, discount; Sell: Negative on factors such as structure, management, performance record, discount.

Core Banding Exceptions (CBE): Exceptions to the standard +/-6% bands may be granted by the Investment Review Committee (IRC). Factors considered by the IRC include the stock's volatility and the credit spread of the respective company's debt. As a result, stocks deemed to be very high or low risk may be subject to higher or lower bands as they relate to the rating. When such exceptions apply, they will be identified in the Company Disclosures table in the relevant research piece.

Research analysts contributing to this report who are employed by any non-US affiliate of UBS Securities LLC are not registered/qualified as research analysts with the NASD and NYSE and therefore are not subject to the restrictions contained in the NASD and NYSE rules on communications with a subject company, public appearances, and trading securities held by a research analyst account. The name of each affiliate and analyst employed by that affiliate contributing to this report, if any, follows.

UBS Securities LLC: Julien Dumoulin-Smith; Jim von Riesemann; Megan Cyr.

Company Disclosures

Company Name	Reuters	12-mo rating	Short-term rating	Price	Price date
Exelon Corp. ^{4, 5, 6a, 6b, 7, 16}	EXC.N	Buy	N/A	US\$42.33	20 Dec 2011

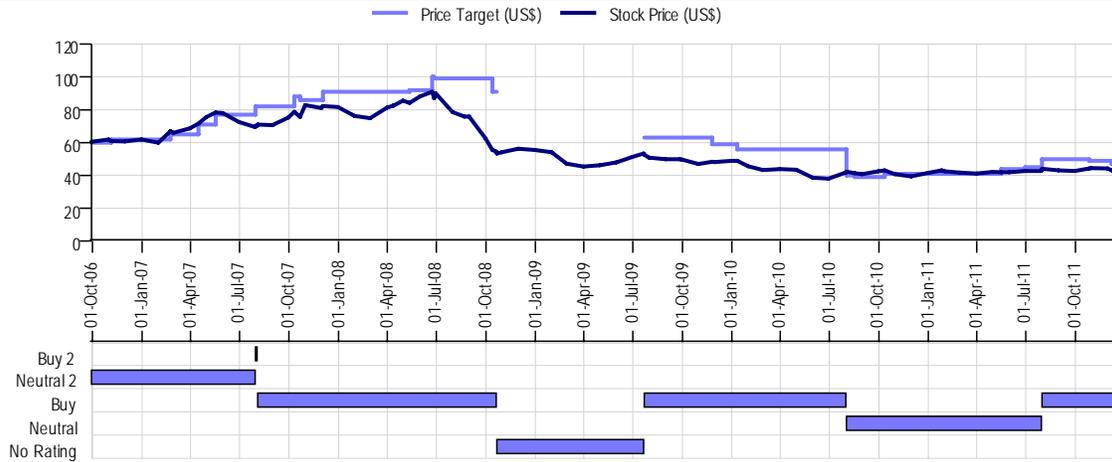
Source: UBS. All prices as of local market close.

Ratings in this table are the most current published ratings prior to this report. They may be more recent than the stock pricing date

4. Within the past 12 months, UBS AG, its affiliates or subsidiaries has received compensation for investment banking services from this company/entity.
5. UBS AG, its affiliates or subsidiaries expect to receive or intend to seek compensation for investment banking services from this company/entity within the next three months.
- 6a. This company/entity is, or within the past 12 months has been, a client of UBS Securities LLC, and investment banking services are being, or have been, provided.
- 6b. This company/entity is, or within the past 12 months has been, a client of UBS Securities LLC, and non-investment banking securities-related services are being, or have been, provided.
7. Within the past 12 months, UBS Securities LLC has received compensation for products and services other than investment banking services from this company/entity.
16. UBS Securities LLC makes a market in the securities and/or ADRs of this company.

Unless otherwise indicated, please refer to the Valuation and Risk sections within the body of this report.

Exelon Corp. (US\$)



Source: UBS; as of 20 Dec 2011

Note: On August 4, 2007 UBS revised its rating system. (See 'UBS Investment Research: Global Equity Rating Definitions' table for details). From September 9, 2006 through August 3, 2007 the UBS ratings and their definitions were: Buy 1 = FSR is > 6% above the MRA, higher degree of predictability; Buy 2 = FSR is > 6% above the MRA, lower degree of predictability; Neutral 1 = FSR is between -6% and 6% of the MRA, higher degree of predictability; Neutral 2 = FSR is between -6% and 6% of the MRA, lower degree of predictability; Reduce 1 = FSR is > 6% below the MRA, higher degree of predictability; Reduce 2 = FSR is > 6% below the MRA, lower degree of predictability. The predictability level indicates an analyst's conviction in the FSR. A predictability level of '1' means that the analyst's estimate of FSR is in the middle of a narrower, or smaller, range of possibilities. A predictability level of '2' means that the analyst's estimate of FSR is in the middle of a broader, or larger, range of possibilities. From October 13, 2003 through September 8, 2006 the percentage band criteria used in the rating system was 10%.

Global Disclaimer

This report has been prepared by UBS Securities LLC, an affiliate of UBS AG. UBS AG, its subsidiaries, branches and affiliates are referred to herein as UBS. In certain countries, UBS AG is referred to as UBS SA.

This report is for distribution only under such circumstances as may be permitted by applicable law. Nothing in this report constitutes a representation that any investment strategy or recommendation contained herein is suitable or appropriate to a recipient's individual circumstances or otherwise constitutes a personal recommendation. It is published solely for information purposes, it does not constitute an advertisement and is not to be construed as a solicitation or an offer to buy or sell any securities or related financial instruments in any jurisdiction. No representation or warranty, either express or implied, is provided in relation to the accuracy, completeness or reliability of the information contained herein, except with respect to information concerning UBS AG, its subsidiaries and affiliates, nor is it intended to be a complete statement or summary of the securities, markets or developments referred to in the report. UBS does not undertake that investors will obtain profits, nor will it share with investors any investment profits nor accept any liability for any investment losses. Investments involve risks and investors should exercise prudence in making their investment decisions. The report should not be regarded by recipients as a substitute for the exercise of their own judgement. Past performance is not necessarily a guide to future performance. The value of any investment or income may go down as well as up and you may not get back the full amount invested. Any opinions expressed in this report are subject to change without notice and may differ or be contrary to opinions expressed by other business areas or groups of UBS as a result of using different assumptions and criteria. Research will initiate, update and cease coverage solely at the discretion of UBS Investment Bank Research Management. The analysis contained herein is based on numerous assumptions. Different assumptions could result in materially different results. The analyst(s) responsible for the preparation of this report may interact with trading desk personnel, sales personnel and other constituencies for the purpose of gathering, synthesizing and interpreting market information. UBS is under no obligation to update or keep current the information contained herein. UBS relies on information barriers to control the flow of information contained in one or more areas within UBS, into other areas, units, groups or affiliates of UBS. The compensation of the analyst who prepared this report is determined exclusively by research management and senior management (not including investment banking). Analyst compensation is not based on investment banking revenues, however, compensation may relate to the revenues of UBS Investment Bank as a whole, of which investment banking, sales and trading are a part.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors. Options, derivative products and futures are not suitable for all investors, and trading in these instruments is considered risky. Mortgage and asset-backed securities may involve a high degree of risk and may be highly volatile in response to fluctuations in interest rates and other market conditions. Past performance is not necessarily indicative of future results. Foreign currency rates of exchange may adversely affect the value, price or income of any security or related instrument mentioned in this report. For investment advice, trade execution or other enquiries, clients should contact their local sales representative. Neither UBS nor any of its affiliates, nor any of UBS' or any of its affiliates, directors, employees or agents accepts any liability for any loss or damage arising out of the use of all or any part of this report. For financial instruments admitted to trading on an EU regulated market: UBS AG, its affiliates or subsidiaries (excluding UBS Securities LLC and/or UBS Capital Markets LP) acts as a market maker or liquidity provider (in accordance with the interpretation of these terms in the UK) in the financial instruments of the issuer save that where the activity of liquidity provider is carried out in accordance with the definition given to it by the laws and regulations of any other EU jurisdictions, such information is separately disclosed in this research report. UBS and its affiliates and employees may have long or short positions, trade as principal and buy and sell in instruments or derivatives identified herein.

Any prices stated in this report are for information purposes only and do not represent valuations for individual securities or other instruments. There is no representation that any transaction can or could have been effected at those prices and any prices do not necessarily reflect UBS's internal books and records or theoretical model-based valuations and may be based on certain assumptions. Different assumptions, by UBS or any other source, may yield substantially different results.

United Kingdom and the rest of Europe: Except as otherwise specified herein, this material is communicated by UBS Limited, a subsidiary of UBS AG, to persons who are eligible counterparties or professional clients and is only available to such persons. The information contained herein does not apply to, and should not be relied upon by, retail clients. UBS Limited is authorised and regulated by the Financial Services Authority (FSA). UBS research complies with all the FSA requirements and laws concerning disclosures and these are indicated on the research where applicable. **France:** Prepared by UBS Limited and distributed by UBS Limited and UBS Securities France SA. UBS Securities France S.A. is regulated by the Autorité des Marchés Financiers (AMF). Where an analyst of UBS Securities France S.A. has contributed to this report, the report is also deemed to have been prepared by UBS Securities France S.A. **Germany:** Prepared by UBS Limited and distributed by UBS Limited and UBS Deutschland AG. UBS Deutschland AG is regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht (BaFin). **Spain:** Prepared by UBS Limited and distributed by UBS Limited and UBS Securities España SV, SA. UBS Securities España SV, SA is regulated by the Comisión Nacional del Mercado de Valores (CNMV). **Turkey:** Prepared by UBS Menkul Degerler AS on behalf of and distributed by UBS Limited. **Russia:** Prepared and distributed by UBS Securities CJSC. **Switzerland:** Distributed by UBS AG to persons who are institutional investors only. **Italy:** Prepared by UBS Limited and distributed by UBS Limited and UBS Italia Sim S.p.A.. UBS Italia Sim S.p.A. is regulated by the Bank of Italy and by the Commissione Nazionale per le Società e la Borsa (CONSOB). Where an analyst of UBS Italia Sim S.p.A. has contributed to this report, the report is also deemed to have been prepared by UBS Italia Sim S.p.A.. **South Africa:** UBS South Africa (Pty) Limited (Registration No. 1995/011140/07) is a member of the JSE Limited, the South African Futures Exchange and the Bond Exchange of South Africa. UBS South Africa (Pty) Limited is an authorised Financial Services Provider. Details of its postal and physical address and a list of its directors are available on request or may be accessed at <http://www.ubs.co.za>. **United States:** Distributed to US persons by either UBS Securities LLC or by UBS Financial Services Inc., subsidiaries of UBS AG; or by a group, subsidiary or affiliate of UBS AG that is not registered as a US broker-dealer (a 'non-US affiliate'), to major US institutional investors only. UBS Securities LLC or UBS Financial Services Inc. accepts responsibility for the content of a report prepared by another non-US affiliate when distributed to US persons by UBS Securities LLC or UBS Financial Services Inc. All transactions by a US person in the securities mentioned in this report must be effected through UBS Securities LLC or UBS Financial Services Inc., and not through a non-US affiliate. **Canada:** Distributed by UBS Securities Canada Inc., a subsidiary of UBS AG and a member of the principal Canadian stock exchanges & CIPF. A statement of its financial condition and a list of its directors and senior officers will be provided upon request. **Hong Kong:** Distributed by UBS Securities Asia Limited. **Singapore:** Distributed by UBS Securities Pte. Ltd [Mica (p) 039/11/2009 and Co. Reg. No.: 198500648C] or UBS AG, Singapore Branch. Please contact UBS Securities Pte Ltd, an exempt financial advisor under the Singapore Financial Advisers Act (Cap. 110); or UBS AG Singapore branch, an exempt financial adviser under the Singapore Financial Advisers Act (Cap. 110) and a wholesale bank licensed under the Singapore Banking Act (Cap. 19) regulated by the Monetary Authority of Singapore, in respect of any matters arising from, or in connection with, the analysis or report. The recipient of this report represent and warrant that they are accredited and institutional investors as defined in the Securities and Futures Act (Cap. 289). **Japan:** Distributed by UBS Securities Japan Ltd to institutional investors only. Where this report has been prepared by UBS Securities Japan Ltd, UBS Securities Japan Ltd is the author, publisher and distributor of the report. **Australia:** Distributed by UBS AG (Holder of Australian Financial Services License No. 231087) and UBS Securities Australia Ltd (Holder of Australian Financial Services License No. 231098) only to 'Wholesale' clients as defined by s761G of the Corporations Act 2001. **New Zealand:** Distributed by UBS New Zealand Ltd. An investment adviser and investment broker disclosure statement is available on request and free of charge by writing to PO Box 45, Auckland, NZ. **Dubai:** The research prepared and distributed by UBS AG Dubai Branch, is intended for Professional Clients only and is not for further distribution within the United Arab Emirates. **Korea:** Distributed in Korea by UBS Securities Pte. Ltd., Seoul Branch. This report may have been edited or contributed to from time to time by affiliates of UBS Securities Pte. Ltd., Seoul Branch. **Malaysia:** This material is authorized to be distributed in Malaysia by UBS Securities Malaysia Sdn. Bhd (253825-x). **India :** Prepared by UBS Securities India Private Ltd. 2/F.2 North Avenue, Maker Maxity, Bandra Kurla Complex, Bandra (East), Mumbai (India) 400051. Phone: +91226156000 SEBI Registration Numbers: NSE (Capital Market Segment): INB230951431, NSE (F&O Segment) INF230951431, BSE (Capital Market Segment) INB010951437.

The disclosures contained in research reports produced by UBS Limited shall be governed by and construed in accordance with English law.

UBS specifically prohibits the redistribution of this material in whole or in part without the written permission of UBS and UBS accepts no liability whatsoever for the actions of third parties in this respect. Images may depict objects or elements which are protected by third party copyright, trademarks and other intellectual property rights. © UBS 2011. The key symbol and UBS are among the registered and unregistered trademarks of UBS. All rights reserved.

